

盈江兜兰，中国兰科一新杂种

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摘要：对我国兰科新杂种盈江兜兰 (*Paphiopedilum* × *yingjiangense*) 进行了描述和绘图。该植物可能是紫毛兜兰 (*P. villosum*) 与彩云兜兰 (*P. wardii*) 之间的天然杂种。它与前者的区别在于叶上面有轻微的深浅绿色网斑，花淡黄绿色并在花瓣上和中萼片下半部有黑紫色细斑点，以及退化雄蕊宽卵圆形，其中央不具脐状突起；与后者的区别在于叶较长，上面不具明显的深浅蓝绿色斑，背面亦无密集的紫色斑点，花明显较大，以及退化雄蕊为宽卵圆形。  
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*Paphiopedilum* × *yingjiangense*, a New Hybrid of Orchidaceae from China

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**Abstract:** *Paphiopedilum* × *yingjiangense* Z. J. Liu et S. C. Chen, a new hybrid from China, is described and illustrated. This entity may be a natural hybrid between *Paphiopedilum villosum* and *P. wardii*. It differs from the former by having obscurely deep and light green nets on upper surface of leaves, a pale yellow-green flower with fine dark purple spots on petals and lower part of dorsal sepal and broadly ovate-orbicular staminode without a central glossy knob; from the latter by longer leaves not obviously mottled pale and dark bluish green above nor densely spotted purple below, a much larger flower, and a broadly ovate-orbicular staminode.  
**Key words:** *Paphiopedilum* × *yingjiangense*; New hybrid; China

2003 年 1 月中旬，第一作者到云南省盈江县寻找彩云兜兰 *Paphiopedilum wardii* 的野生居群时，看到了另一种兜兰，生于林中岩石上。该植物有两丛，每丛 5 个植株，共同簇生于一个短的根状茎上。每一个植株有 3~7 片叶；叶有轻微的深浅绿色疏斑，叶背具模糊的浅紫色斑，基部紫红色。  
该植物被带回移植于国家兰科植物种质资源保护中心后，于 2004 年 2 月初开花。花的形态似乎介于紫毛兜兰 *Paphiopedilum villosum* (Lindl.) Stein 与彩云兜兰 *P. wardii* Summerh. 之间。花的大小、形状以及退化雄蕊都接近紫毛兜兰，所不同的是花瓣与中萼片下半部有黑紫色细斑点，退化雄蕊中央无脐状突起；但在色泽方面更接近彩云兜兰，只是斑点较细小，而且花明显较大，退化雄蕊宽

卵圆形等有所不同。叶的情况也介于两者之间，有模糊的深浅绿色网斑。因此，我们认为它可能是紫毛兜兰与彩云兜兰之间的天然杂种，该两种兜兰也见于云南西部。

盈江兜兰 新杂种 图 1: 1~4

*Paphiopedilum* × *yingjiangense* Z. J. Liu et S. C. Chen, hybr. nov. Fig. 1: 1-4  
**Type:** China, Yunnan, Yingjiang county (盈江县), Tongbiguan (铜壁关), alt. 1 700, 18 January 2005, Z. J. Liu (刘仲健) 2128 (holotype, SZWN) (SZWN = Herbarium, Shenzhen City Wutongshan Nurseries, China).  
Hybrida naturalis e *Paphiopedilo villosa* et *P. wardii exota*, ex illo foliis supra leviter atroviridi- et viridulo-tessellatis, flora pallide flavo-viridi et in petalis et dimidio inferiore sepalis dorsalis

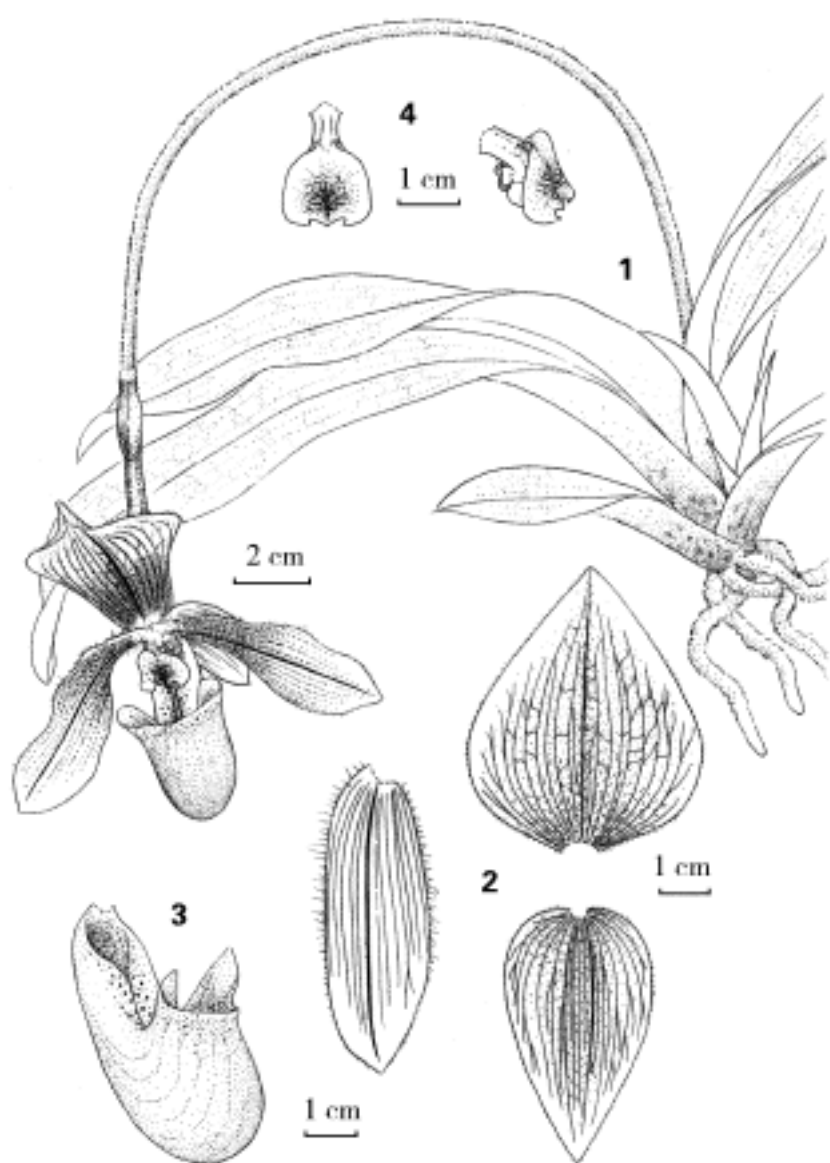


图 1 盈江兜兰 1. 带花植株; 2. 中萼片、花瓣与合萼片, 背面观; 3. 唇瓣; 4. 退化雄蕊

Fig. 1 *Paphiopedilum x yingjiangense* Z. J. Liu et S. C. Chen  
1. Flowering plant; 2. Dorsal sepal, petal and synsepal, back view; 3. Lip; 4. Staminode

minute atropurpureo-punctata, staminodio late ovato-orbiculari, e hoc foliis longioribus supra non manifeste atroviridi- et viridulo-tessellatis et infra nec dense purpureo-punctatis, flora multo majore, staminodio late ovato-orbiculari differt.

Rhizome short. Leaves 3 - 7 in two rows, obscurely with deep and light green nets above, pale green and very obscurely mottled pale purple below, with purple spots toward the abaxial base, 15 - 23 × 3.5 - 4.5 cm, base contracted into a petiole-like, conduplicate stalk 2 - 3.5 cm long. Scape suberect to arching, purple-brown, 25 - 30 cm long, densely purple-hairy, with a terminal flower; floral bract subovate, 2 - 3 cm long, green, minutely hairy abaxially; pedicel and ovary 5.5 - 8 cm long, green with purple-brown ribs, pubescent; flower 9.5 - 10.5 cm across, pale yellow-green, with dark purple longitudinal veins and a broad midvein on dorsal sepal and petals, many fine spots of the same color on petals, lower half of dorsal sepal and inner surface of lip; and green veins on synsepal; dorsal sepal broadly ovate to suborbicular, 5.3 - 5.8 × 4 - 4.7 cm, apex acute, pubescent abaxially, ciliate; synsepal subovate, 4 - 4.5 × 2.3 - 3 cm, minutely hairy abaxially; petals suboblong, 4.5 - 6.2 × 1.8 - 2.1 cm, slightly twisted, lower half undulate-margined, apex shortly acuminate, purple-villose toward adaxial base, purple-ciliate; lip

helmet-shaped, base with a broad stalk 2 - 2.5 cm long; sac sub-obovoid-ellipsoid, 2.5 - 3 × 2 - 2.5 cm, ciliate, with a very broad mouth and two erect auricles on its both sides, hairy at inner bottom; staminode broadly ovate-orbicular, ca. 1.3 × 1.5 cm, apex somewhat mucronate, pale yellow-green, with a deep green center. Fl. February-April.

**Habitat:** On rock in forest; alt. 1700 m.

**Distribution:** Only found in type locality (Yunnan, Yingjiang county).

**Notes:** This entity may be a natural hybrid between *Paphiopedilum villosum* and *P. wardii*. It differs from the former by having only obscurely deep and light green nets on upper surface of leaves, a pale yellow flower with fine dark purple spots on petals and lower half of dorsal sepal, and a broadly ovate-orbicular staminode without a central glossy knob; from the latter by longer leaves not obviously mottled pale and dark bluish green above nor densely spotted purple below, a much larger flower and a broadly ovate-orbicular (not obcordate-lunar) staminode.

根状茎短。叶 3~7 枚, 排成二列, 上面具模糊的深浅绿色网斑, 下面浅绿色, 并有模糊的浅紫色斑, 在基部有紫色斑点, 长 15~23 cm, 宽 3.5~4.5 cm, 基部收窄而成长 2~3.5 cm 的对褶柄。花葶近直立或外弯, 紫褐色, 长 25~30 cm, 密被紫毛, 顶生 1 花; 花苞片近卵形, 长 2~3 cm, 绿色, 背面被细毛; 花梗与子房长 5.5~8 cm, 绿色。有紫褐色肋, 被短柔毛; 花直径 9.5~10.5 cm, 浅黄绿色; 中萼片与花瓣上有暗紫色纵脉和 1 条粗中脉; 花瓣、中萼片下半部和唇瓣内表面具黑紫色细斑点; 合萼片具绿色脉; 中萼片宽卵形至近圆形, 长 5.3~5.8 cm, 宽 4~4.7 cm, 先端急尖, 背面被短柔毛, 边缘有缘毛; 合萼片近卵形, 长 4~4.5 cm, 宽 2.3~3 cm, 背面被细柔毛; 花瓣近矩圆形, 长 4.5~6.2 cm, 宽 1.8~2.1 cm, 稍扭曲, 下半部边缘波状, 先端短渐尖, 上面基部有紫色长柔毛, 边缘有紫缘毛; 唇瓣盔形, 基部具长 2~2.5 cm 的宽阔的柄; 囊近倒卵形状椭圆形, 长 2.5~3 cm, 宽 2~2.5 cm, 边缘有缘毛, 口部十分宽阔, 其两侧具直立的耳, 囊内底部有毛; 退化雄蕊宽卵圆形, 长约 1.3 cm, 宽 1.5 cm, 先端略有短尖, 浅黄绿色, 中央深绿色。花期 2~4 月。

生境: 生于林中岩石上; 海拔 1700 m。

分布: 仅见于模式标本产地 (云南盈江县)。

说明: 此种植物可能是紫毛兜兰 (*Paphiopedilum villosum*) 与彩云兜兰 (*P. wardii*) 之间的天然杂种。它与前者的区别在于: 叶上表面只具模糊的深浅绿色网斑, 花浅黄绿色, 在花瓣与中萼片下半部具黑紫色的细斑点, 以及退化雄蕊宽卵圆形, 其中央不具脐状突起; 与后者的区别为: 叶较长, 上面不具明显的深浅蓝绿色斑, 下面也无密集的紫色斑点, 花明显较大, 退化雄蕊宽卵圆形 (非倒心状新月形)。